

**To:** Mike Wireman/R8/USEPA/US@EPA;Gregory Oberley/R8/USEPA/US@EPA[]; regory Oberley/R8/USEPA/US@EPA[]  
**Cc:** Ayn Schmit/R8/USEPA/US@EPA[]  
**From:** Chris Reimer <creimer@ngwa.org>  
**Sent:** Wed 7/18/2012 8:27:58 PM  
**Subject:** RE: Methane - Protocol to Assess Source  
[creimer@ngwa.org](mailto:creimer@ngwa.org)  
[ftp://ftp.epa.gov/r8/pavilliondocs/QA\\_Documents/QAPPs/SignedCopyPavillionQAPPv6Feb17\\_2012.pdf](ftp://ftp.epa.gov/r8/pavilliondocs/QA_Documents/QAPPs/SignedCopyPavillionQAPPv6Feb17_2012.pdf)  
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[www.ngwa.org](http://www.ngwa.org)  
[www.wellowner.org](http://www.wellowner.org)  
[www.groundwateradventurers.org](http://www.groundwateradventurers.org)  
[image001.gif](#)

Thanks all!!! Chris

From: Mike Wireman [mailto:Wireman.Mike@epamail.epa.gov]  
Sent: Wednesday, July 18, 2012 4:27 PM  
To: Gregory Oberley  
Cc: Chris Reimer; Ayn Schmit  
Subject: Re: Methane - Protocol to Assess Source

Thanks Greg -

Chris -please follow up with greg if you need more info.

mike

Gregory Oberley---07/18/2012 02:25:04 PM---I would refer to our Pavillion and National Hydraulic Fracturing Study QAPPs concerning methane anal

From: Gregory Oberley/R8/USEPA/US  
To: Mike Wireman/R8/USEPA/US@EPA  
Cc: Chris Reimer <creimer@ngwa.org>, Ayn Schmit/R8/USEPA/US@EPA  
Date: 07/18/2012 02:25 PM  
Subject: Re: Methane - Protocol to Assess Source

I would refer to our Pavillion and National Hydraulic Fracturing Study QAPPs concerning methane analysis. It might be easiest to go to our Region 8 website for Pavillion and look at the latest version of the Pavillion QAPP. I think that we are up to v6. We have been using Isotek as the lab for stable carbon and hydrogen isotopes to determine the thermogenic or biogenic signatures. There are very few labs that do this work

Chris can call me if she has trouble finding the QAPP online. Actually here is the web link to the QAPP just to make it easier.

[ftp://ftp.epa.gov/r8/pavilliondocs/QA\\_Documents/QAPPs/SignedCopyPavillionQAPPv6Feb17\\_2012.pdf](ftp://ftp.epa.gov/r8/pavilliondocs/QA_Documents/QAPPs/SignedCopyPavillionQAPPv6Feb17_2012.pdf)

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Mike Wireman---07/18/2012 12:43:44 PM---Greg and Ayn - See Chris's email below - does EPA have any "protocol" or SOP for methane analysis -e

From: Mike Wireman/R8/USEPA/US  
To: Chris Reimer <creimer@ngwa.org>  
Cc: Gregory Oberley/R8/USEPA/US@EPA, Ayn Schmit/R8/USEPA/US@EPA  
Date: 07/18/2012 12:43 PM  
Subject: Re: Methane - Protocol to Assess Source

Greg and Ayn - See Chris's email below - does EPA have any "protocol" or SOP for methane analysis -especially biogenic vs thermogenic?

mike

Chris Reimer ---07/16/2012 09:03:36 AM---Hi Mike - As always it was great seeing you last week. As requested, just a reminder that I'd be i

From: Chris Reimer <creimer@ngwa.org>  
To: Mike Wireman/R8/USEPA/US@EPA  
Date: 07/16/2012 09:03 AM  
Subject: Methane - Protocol to Assess Source

Hi Mike – As always it was great seeing you last week. As requested, just a reminder that I'd be interested in having a copy of any protocol that EPA has developed to assess and determine whether the source of methane in a water well is from or unrelated to oil and gas development in the area.

Thanks -- Chris

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